

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for planning a delivery of a good, comprising:
receiving a description of the good, a destination location, and a requested delivery date~~[[,]]~~ by a customer relations management module in a system having distinct modules; the good having
determining, by a source, an availability date of the good at a source location comprising an origin for the good, the availability date determined independently of the requested delivery date;
selecting, by a planner module, [[a]] the source location comprising an origin for the good based on the availability date of the good at the source location;
determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and scheduling information;
selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and
scheduling, by a scheduling engine module, the trip based on the requested delivery date such that the good is scheduled to be delivered from the source location to the destination location substantially close to the requested delivery date.

2. (Currently Amended) The method of claim 1, wherein determining [[a]] the set of trips comprises selecting one or more geographic routes from the set of geographic routes.

3. (Currently Amended) The method of claim 2, wherein selecting the one or more geographical routes comprises restricting the set of geographical routes based on a geographical classification for the source location and the destination location.

4. (Currently Amended) The method of claim 1, wherein determining [[a]] the set of trips comprises selecting a transportation service provider for each geographic route.

5. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of dangerous goods.

6. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of closeness of a trip delivery date to the requested delivery date.

7. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of cost information.

8. (Original) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of customer information.

9. (Previously Presented) The method of claim 1, wherein the set of criteria comprises at least one criterion representative of the availability date.

10. (Previously Presented) The method of claim 9, wherein the set of criteria comprises at least one criterion representative of a trip departure date, on which the trip can depart from the source location, and wherein scheduling comprises confirming the trip if the availability date precedes or matches the trip departure date.

11. (Previously Presented) The method of claim 10, wherein scheduling further comprises selecting, if the trip is not confirmed, another trip based on the availability date and the trip departure date.

12. (Currently Amended) A system for planning a delivery of a good, the system comprising:

a central processing unit;

a customer interface process configured for execution by the central processing

unit, the customer interface process comprising instructions for receiving a description of the good, a destination location, and a requested delivery date, the good having an availability date determined independently of the requested delivery date;

a planning process initiated by the customer interface process comprising
instructions for selecting a source location comprising an origin for the
good based on an availability date of the good at the source location, the
availability date determined independently of the requested delivery date;
and[[:]]

a scheduling process initiated by the customer interface process comprising
instructions for:

initiating a route generation process comprising instructions for
determining a set of trips based on a set of geographic
routes, transportation service provider information, and
scheduling information, wherein each trip comprises a trip
departure date and a trip delivery date;

selecting a trip from the set of trips based on a set of criteria; and
scheduling the trip based on the requested delivery date such that
the good is scheduled to be delivered from the source
location to the destination location substantially close to the
requested delivery date.

13. (Original) The system of claim 12, wherein the route generation process
further comprises instructions for selecting at least one geographic route from the set of
geographic routes.

14. (Original) The system of claim 13, wherein the route generation process further comprises instructions for restricting the set of geographical routes based on a geographical classification for the source location and the destination location.

15. (Original) The system of claim 12, wherein the route generation process further comprises instructions for selecting transportation service provider information and scheduling information corresponding to the set of geographic routes.

16. (Original) The system of claim 12, wherein the route generation process further comprises instructions for checking the set of trips for compliance with the set of criteria, the set of criteria including at least one criterion representative of dangerous goods.

17. (Previously Presented) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of closeness of the trip delivery date to the requested delivery date.

18. (Original) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of cost information.

19. (Original) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of customer information.

20. (Previously Presented) The system of claim 12, wherein the set of criteria comprises at least one criterion representative of the availability date.

21. (Previously Presented) The system of claim 20, wherein the set of criteria comprises at least one criterion representative of a trip departure date, on which the trip can depart from the source location, and wherein the customer interface process further comprises instructions for confirming the trip if the availability date precedes or matches the trip departure date.

22. (Previously Presented) The system of claim 21, wherein the customer interface process further comprises instructions for initiating, if the trip is not confirmed, the scheduling process to select another trip based on the availability date and the trip departure date.

23. (Currently Amended) A computer-readable medium containing computer-executable instructions to configure a data processor having distinct modules, the instructions, when executed by the data processor from the distinct modules, causing the data processor to perform a computer-implemented method for planning a delivery of a good, the computer-implemented method comprising:

receiving a description of the good, a destination location, and a requested delivery date by a customer relations management module; ~~the good having~~
determining, by a source, an availability date of the good at a source location comprising an origin for the good, the availability date determined independently of the requested delivery date;
selecting, by a planner module, [[a]] the source location comprising an origin for the good based on the availability date of the good at the source location;
determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and scheduling information;
selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and
scheduling, by a scheduling engine module, the trip based on the requested delivery date such that the good is scheduled to be delivered from the source location to the destination location substantially close to the requested delivery date.

24. (Currently Amended) A system for planning a delivery of a good, the system comprising:

means for receiving a description of a good, a destination location, and a requested delivery date, ~~the good having;~~

means for determining, by a source, an availability date of the good at a source location comprising an origin for the good, the availability date determined independently of the requested delivery date;
means for selecting ~~[[a]] the source location comprising an origin for the good~~
based on the availability date of the good at the source location;
means for determining a set of trips based on a set of geographic routes,
transportation service provider information, and scheduling information,
wherein each trip comprises a trip departure date and a trip delivery date;
means for selecting a trip from the set of trips based on a set of criteria; and
means for scheduling the trip based on the requested delivery date such that the
good is scheduled to be delivered from the source location to the
destination location substantially close to the requested delivery date.

25. (Currently Amended) A method for planning a delivery of a good
comprising:

receiving sales order information by a customer relation management module in a system having distinct modules, the sales order information including a description of the good, a destination location, and a requested delivery date, ~~the good having;~~
determining, by a source, an availability date of the good at a source location comprising an origin for the good, the availability date determined independently of the requested delivery date;

selecting, by a planner module, ~~[[a]] the source location comprising an origin for~~
~~the good~~ based on the availability date for the good at the source location;
determining, by a route generation engine module, a set of trips based on a set
of geographic routes, transportation service provider information, and the
availability date of the good at the source location;
selecting, by the route generation engine module, a trip from the set of trips
based on a set of criteria; and
scheduling, by a scheduling engine module, the trip based on the availability date
and the requested delivery date.

26. (Previously Presented) The method of claim 25 further comprising:
eliminating trips based on dangerous good data.

27. (Previously Presented) The method of claim 25, further comprising:
receiving an instruction for planning the delivery of the good as a rush order by a
global available-to-promise module performing a global availability check,
wherein planning comprises determining, selecting and scheduling the trip
forward from the availability date.

28. (Cancelled).

29. (Previously Presented) The method of claim 25, further comprising:

updating the sales order information with one or more dates corresponding to the scheduled trip.

30. (Currently Amended) A method for planning a delivery of a good, comprising:
- receiving sales order information by a customer relations management module in a system having distinct modules, the sales order information including a description of the good, a destination location, and a requested delivery date, ~~the good having~~;
- determining, by a source, an availability date of the good at a source location comprising an origin for the good, the availability date determined independently of the requested delivery date;
- selecting, by a planner module, [[a]] the source location comprising an origin for the good based on the availability date of the good at the source location;
- determining, by a route generation engine module, a set of trips based on a set of geographic routes, transportation service provider information, and the requested delivery date;
- selecting, by the route generation engine module, a trip from the set of trips based on a set of criteria; and
- scheduling, by a scheduling engine module, the trip based on the requested delivery date, [[with]] the scheduling comprising scheduling back from the requested delivery date, such that the good is scheduled to be delivered

Customer No. 60,668
Attorney Docket No. 08020.0011-00
SAP Reference No. 2003P00898 US

from the source location to the destination location substantially close to
the requested delivery date.